

BA127**Recombinant Rat Choline Acetyltransferase**

Alternate names:	CHOACTase, ChAT, Choline O-acetyltransferase, Choline acetylase, EC=2.3.1.6
Quantity:	10 µg
Concentration:	0.25 mg/ml
Background:	<p>Choline acetyltransferase (ChAT) catalyzes the synthesis of the neurotransmitter acetylcholine (ACh) from choline and acetyl-CoA in cholinergic neurons. ChAT serves as a specific marker for cholinergic neurons in both peripheral and central nervous systems. Dysfunction of cholinergic neurons underlies aspects of clinical symptoms found in neurological and psychiatric disorders such as Alzheimer's disease, Down and Rett syndromes.</p> <p>Choline acetyltransferase recruits choline for the synthesis of acetylcholine at preganglionic parasympathetic and sympathetic fibres. It is also present at parasympathetic postganglionic fibres.</p>
Uniprot ID:	P32738
NCBI:	10116
Species:	Rat
Source:	E. coli
Format:	State: Liquid Buffer System: Phosphate buffered Saline with 10% Glycerol as stabilizer.
Applications:	<p>Immunohistochemistry on Frozen Sections: For use in blocking the staining of antibodies to Choline Acetyltransferase (BP348). Suggested concentrations 2-5 µg/ml; The antigen should be incubated with the antibody for 3 hours at 4°C before being used on tissue sections.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Description:	Recombinant Purified Rat Choline Acetyltransferase.
Storage:	The protein can be shipped at 2-8°C. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing. Shelf life: one year from despatch.